ADVANCED INTELLIGENT FREQUENCY HOPPING SCHEME

FOR IMPROVED THROUGHPUT

ABSTRACT

5   The invention generally provides a method of intelligent frequency hopping such as in Bluetooth and Home RF networks. The method (400) includes the acts of generating windows (410), sampling an original frequency (430), determining if the original frequency is of a desired frequency type (440), using the original frequency when the original frequency is the desired frequency type (460), and mapping the frequency to the desired frequency type when the original frequency is not the desired frequency type (450). Accordingly, the method increases the reliability and throughput of wireless networks.

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